



PLEASE NOTE:

- Final dimensions are subject to variations from the tabulated data due to tuning, focusing, and mechanical tolerances.

Production Capabilities



From small orders to high volume projects, we can accommodate all your volume production needs. Call us for more information.

Picture left:
77 GHz Telecommunications volume order example.

| Typical Electrical Specifications | |
|-----------------------------------|-----------------|
| Frequency | 12.4 to 140 GHz |
| Sizes | 3, 6, 9, 12 |
| Sidelobes | 25dB (typical) |
| VSWR | 1.2:1 (typical) |
| Cross Polarization | 25dB (typical) |

Description

Mi-Wave's 258 Series horn lens antenna consists of a circular scalar feed horn illuminating a plano-convex lens. Housed in either aluminum or plastic, these horn lens antennas provide a high efficiency beam with equal E and H plane amplitude patterns.

- Low Cost
- High Directivity and Gain
- Simple Mechanical Performance
- Wide Range of Available Beamwidths and Reflector Sizes

The 258 Series antennas are available from 8 to 170 GHz in standard sizes of 3, 6, 9, and 12 inch lens apertures. Other custom sizes and configurations are available, please consult Mi-Wave for further information.

Applications

Radars, Radioastronomy, Surveillance Equipment, and Communication Systems

| Dimensional Specifications | | | | | |
|----------------------------|--------------------|------|-----|------|-----|
| Model No. | Effective Diameter | A | | B | |
| | | in. | mm | in. | mm |
| 258KU | 12 | 14.0 | 356 | 21.0 | 533 |
| 258K | 9 | 11.0 | 276 | 15.7 | 399 |
| 258K | 12 | 14.0 | 356 | 19.5 | 495 |
| 258A | 3 | 4.1 | 104 | 8.30 | 210 |
| 258A | 6 | 7.6 | 193 | 11.1 | 282 |
| 258A | 9 | 11.0 | 276 | 14.0 | 356 |
| 258A | 12 | 14.0 | 356 | 18.2 | 462 |
| 258B, U | 3 | 4.1 | 104 | 8.3 | 210 |
| 258B, U | 6 | 7.6 | 193 | 10.6 | 269 |
| 258B, U | 9 | 11.0 | 279 | 14.0 | 356 |
| 258B, U | 12 | 14.0 | 356 | 17.7 | 450 |
| 258V, E, W | 3 | 4.2 | 107 | 6.0 | 152 |
| 258V, E, W | 6 | 7.6 | 193 | 9.6 | 244 |
| 258V, E, W | 9 | 11.0 | 279 | 13.0 | 330 |
| 258V, E, W | 12 | 14.0 | 356 | 16.7 | 424 |

Consult for current outline dimensions

Ordering Information

